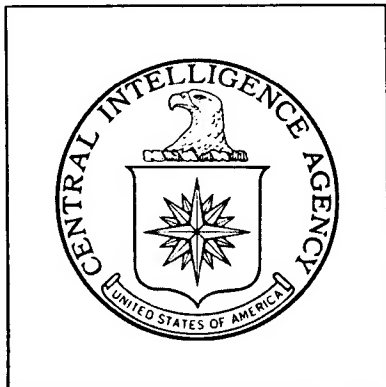


Top Secret



**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Major Electric Power Plants

Liaoning Province, China

Top Secret

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RCS 13/0018/71

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DATE FEBRUARY 1971
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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report, based on late 1969 and 1970 imagery, updates the previous basic reporting on 12 of the major electric power plants in Liaoning Province, north-eastern China. The cut-off date for information is November 1970.

Changes were observed at only three of the plants. The Shen-yang Thermal Power Plant Northeast was being converted to a heat processing plant. The boilerhouse and generator hall roofs were modified and two of the three stacks were dismantled between January 1969 and April 1970. At the Kai-yuan Thermal Power Plant Ching-ho, the roofs of the boilerhouse and generator hall were removed between November 1968 and December 1969. At the third plant, Lu-ta Thermal Power Plant No. 1 Amanogawa, the smoke stacks were removed between September and November 1970.

On the latest coverage, eight of the plants were operating and one plant was probably operating.

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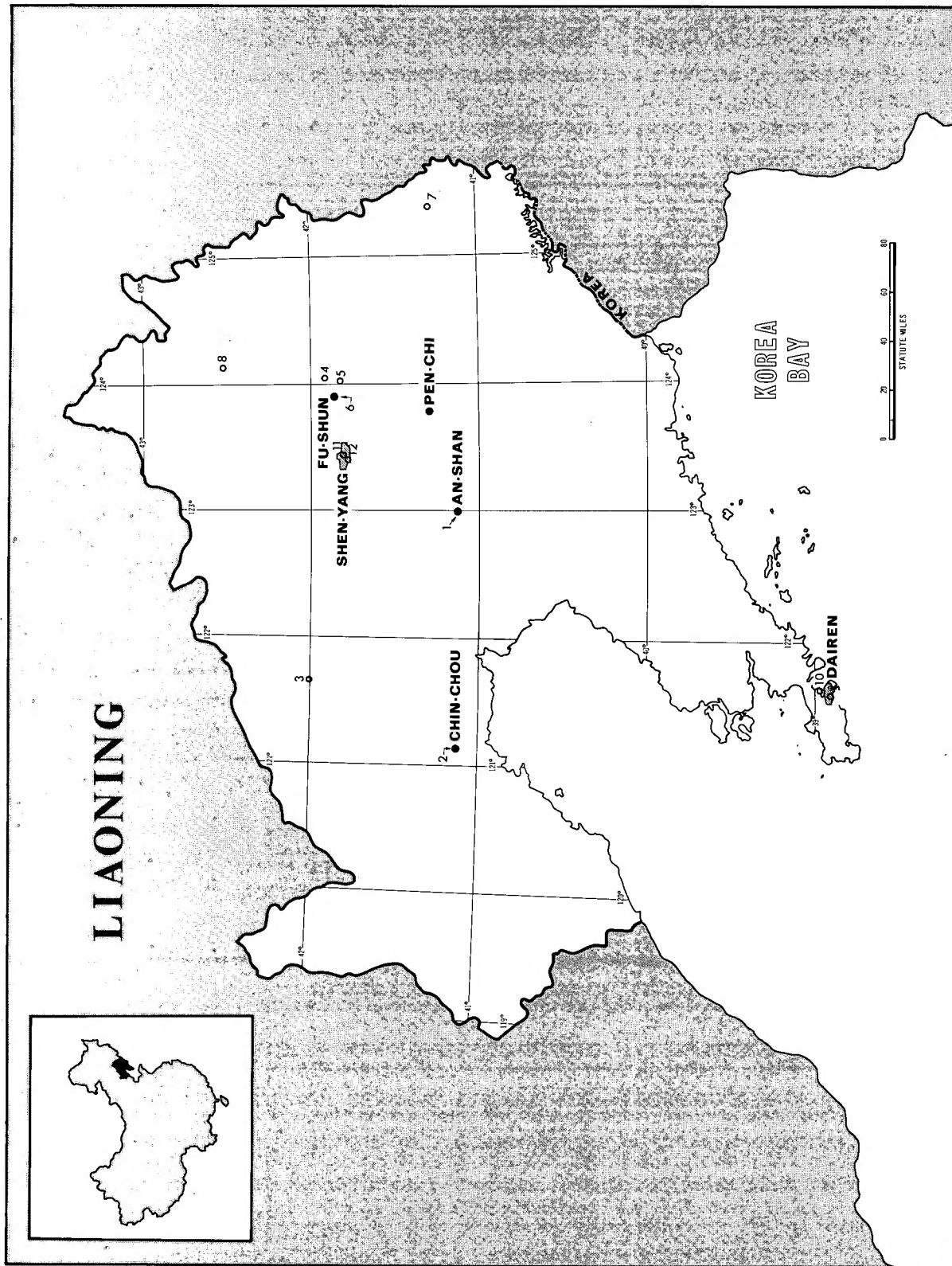


FIGURE 1. LOCATION MAP.

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INTRODUCTION

This report updates previous basic reporting on the following 12 major electric power plants in Liaoning Province (see Figure 1).

1. An-shan Heat and Thermal Power Plant Steel Plant
2. Chin-chou Thermal Power Plant Synthetic Fuels Plant
3. Fou-hsin Thermal Power Plant
4. Fu-shun Heat and Thermal Power Plant Liao-ning
5. Fu-shun Thermal Power Plant Shale Oil Plant No. 2
6. Fu-shun Thermal Power Plant Tai-kan-ton
7. Huan-jen Hydro Power Plant Hun-chiang
8. Kai-yuan Thermal Power Plant Ching-ho
9. Lu-ta (Dairen) Thermal Power Plant No. 1 Amanogawa
10. Lu-ta Heat and Thermal Power Plant No. 2 Kan-ching-tzu
11. Shen-yang Thermal Power Plant Northeast (converted to a heat processing plant)
12. Shen-yang Thermal Power Plant Tieh-hsi

Requirement

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Support Number 421951

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CIA. RCS-13/0027/70, Major Electric Power Plants, Liaoning Province, China, February 1970, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
An-shan Heat and Thermal Power Plant Steel Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TVF987529	41-07-55N 122-59-05E	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet M0289-20HL, 3rd ed, Sep 66, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the An-shan Heat and Thermal Power Plant Steel Plant since November 1968, the date of the latest photography used in the previous report.

The plant was operating when observed in March 1970. Vapor was observed emanating from three of the eight cooling towers.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Fu-shun Heat and Thermal Power Plant Liao-ning		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWG910415	41-55-11N 124-05-32E	
MAP REFERENCE		
6th RTS. USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Heat and Thermal Power Plant Liao-ning since November 1968, the date of the latest photography used in the previous report.

The plant was operating in March 1970. Heavy smoke was observed emanating from all three of the stacks.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Fu-shun Thermal Power Plant Shale Oil Plant No. 2		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWG874315	41-49-45N 124-02-55E	
MAP REFERENCE		
67th RTS. USATC, Series 200. Sheet M0290-11HL. 4th ed. Jan 66, Scale 1:200,000		
(SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Thermal Power Plant Shale Oil Plant No. 2 since November 1968, the date of the latest photography used in the previous report.

The plant was operating in December 1969. Smoke was observed emanating from the stack and vapor from one of the two cooling towers.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Fu-shun Thermal Power Plant Tai-kan-ton		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWG708341	41-51-12N 123-53-03E	
MAP REFERENCE		
USATC, Series 200, Sheet M0290-IIHL, 4th ed, Jan 66, Scale 1:200,000		
(SECRET)		
LATEST IMAGERY USED	NEGATION DATE (if required)	
	NA	

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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Thermal Power Plant Tai-kan-ton since April 1969, the date of the latest photography used in the previous report.

The plant was operating in March 1970. Smoke was observed emanating from two of the four stacks and vapor from ten of the 13 cooling towers.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Huan-jen Hydro Power Plant Hun-chiang		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TYF022710	41-17-00N 125-23-53E	
MAP REFERENCE		
USNOO. USATC, Series 200. Sheet M0290-17HI. 4th ed. Apr 68. Scale 1:200,000		
(SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Huan-jen Hydro Power Plant Hun-chiang since May 1969, the date of the latest photography used in the previous report.

The plant appeared to be in operation in December 1969. Water turbulence was observed in the tailrace.

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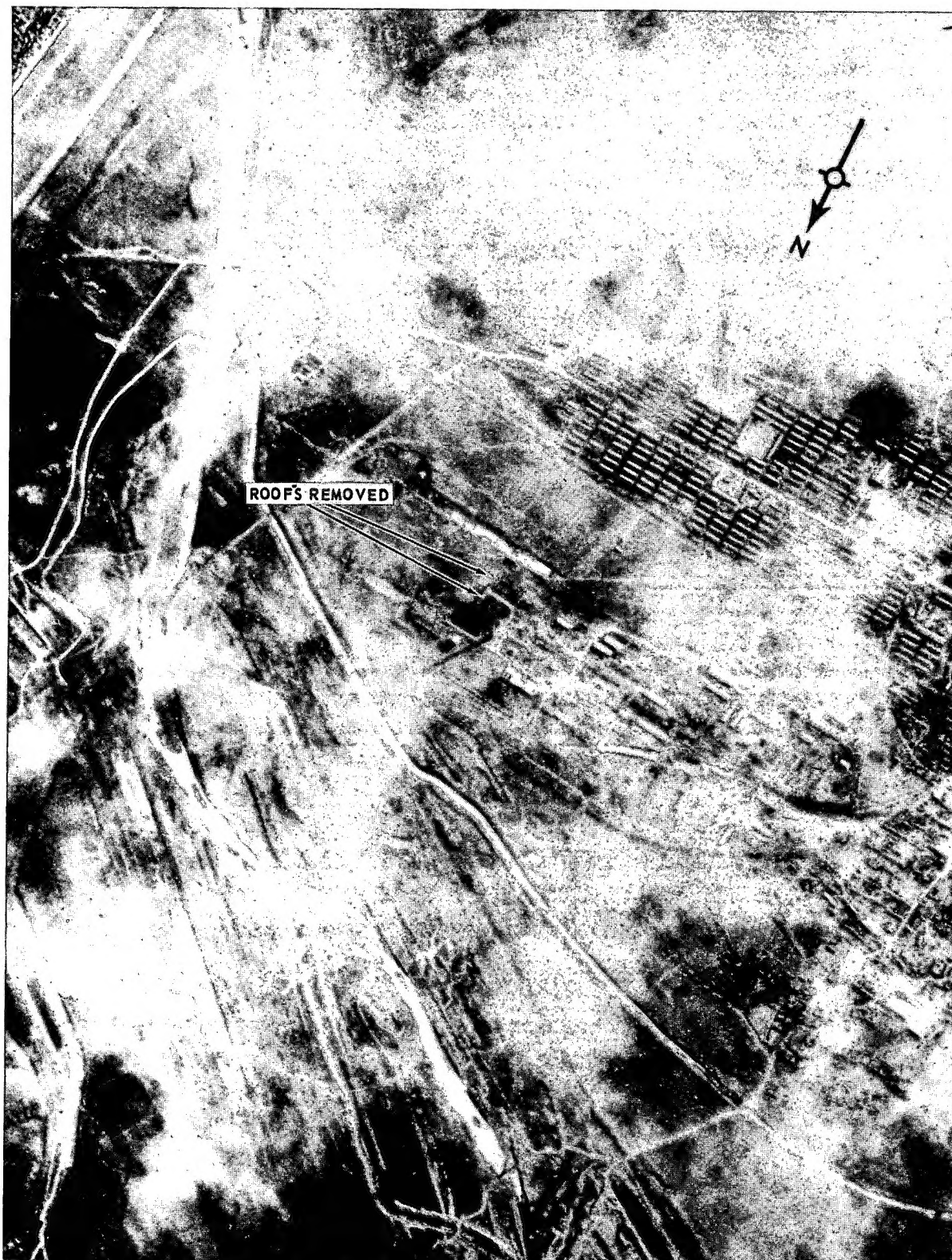


FIGURE 2. KAI-YUAN THERMAL POWER PLANT CHING-HO, CHINA,

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Kai-yuan Thermal Power Plant Ching-ho		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWH955107	42-32-31N 124-09-31E	
MAP REFERENCE		
USNOO. USATC, Series 200, Sheet M0290-6HL, 4th ed, Feb 68, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

The roofs of the boilerhouse and generator hall have been removed at the Kai-yuan Thermal Power Plant Ching-ho since November 1968, the date of the latest photography used in the previous report. Photography of December 1969 revealed that the roofs had been removed. They had not been replaced as of March 1970 (see Figure 2).

The plant was never completed and has never been observed operating.

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